



**GOVERNMENT OF THE DISTRICT OF COLUMBIA
CONSTRUCTION CODES COORDINATING BOARD**

c/o DCRA– 1100 4th Street SW, Washington, DC 20024

CODE CHANGE PROPOSAL FORM

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CODE: IgCC **SECTION NO. 603.3.7** **SUBCOMMITTEE AMENDMENT NO. GC-G-6-21-13**

PROPOSING SUBCOMMITTEE: Green

CHAIR: Updike

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DATES OF PROPOSAL: 6/7/12

CCCCB PRESENTATION: 6.28.12

CCCCB APPROVAL: 7/26/12

CHECK ONE

☐ *Revise section to read as follows:*

☒ *Delete section and substitute the following:*

☐ *Add new section to read as follows:*

☐ *Delete section without substitution.*

TYPE ALL TEXT IN 12-POINT TIMES NEW ROMAN FONT

~~LINE THROUGH TEXT TO BE DELETED~~ (highlight text, under Format, click font and check strikethrough)

UNDERLINE TEXT TO BE ADDED

Use additional sheets of the form, if necessary.

See attached page.

Anticipated impact of code change on cost of construction (CHECK ONE)

☐ *Increase*

☐ *Decrease*

☐ *Negligible*

☒ *Unknown*

Per 1,000 SF single-family dwelling *NA* *to* *NA*

Per 1,000SF of commercial building *to* *see below*

JUSTIFICATION OF CHANGE:

Please reference one or more of the criteria required

☐ **To address a critical life/safety, health, general welfare need.**

☐ **To address a specific District of Columbia policy or statute**

☐ **For consistency with federal, or with reference to the Metro DC area (MD, VA) codes**

☐ **Address a unique character issue in the District of Columbia**

☐ **Correction of errors and omissions**

☒ **Other (explain)**

The TAG felt that solar thermal metering is in its infancy and did not want to create a disincentive for solar thermal installations. Waste heat metering is also in its infancy and not especially relevant in the District given the limited industrial base in the city.



Strike Section 603.3.7 of the International Green Construction Code in its entirety and insert new Section 603.3.7 in the Green Construction Code as follows.

603.3.7 Renewable ~~and waste~~ energy. Equipment and systems providing energy from renewable ~~or waste~~ energy sources which is included in the determination of the building zEPI, shall be capable of being metered to allow a determination of the output of equipment and systems in accordance with Sections 603.3.7.1 through ~~603.3.7.3~~603.3.7.5.

603.3.7.1 Solar electric. Equipment and systems providing electric power through conversion of solar energy directly to electric power shall be capable of being metered so that the peak electric power (kW) provided to the building and its systems or to off-site entities can be determined at 15 minute intervals and the amount of electric power (kWh) provided to the building and its systems can be determined at intervals of one hour or less.

~~603.3.7.2 Solar thermal.~~ ~~Equipment and systems providing heat to fluids or gases through the capture of solar energy shall be capable of being metered so that the peak thermal energy (Btu/hr) provided to the building and its systems or to off-site entities can be determined at 15 minute intervals and the amount of heat captured (Btu) for delivery to the building and its systems can be determined intervals of one hour or less.~~

~~Exception:~~ ~~Systems with a rated output of less than 100 kBtu/hr need not be metered.~~

~~603.3.7.3 Waste heat.~~ ~~Equipment and systems providing energy through the capture of waste heat shall be capable of being metered so that the amount of heat captured and delivered to the building and its systems can be determined at intervals of one hour or less.~~

~~Exception:~~ ~~Systems with a rated output of less than 100 kBtu/hr need not be metered.~~



603.3.7.2603.3.7.4 Wind power systems. Equipment and systems providing electric power through conversion of wind energy directly to electric power shall be capable of being metered so that the peak electric power (kW) provided to the building and its systems or to off-site entities can be determined at 15 minute intervals and the amount of electric power (kWh) provided to the building and its systems can be determined at intervals of one hour or less.

603.3.7.3603.3.7.5 Other renewable energy electric production systems. Equipment and systems providing electric power through conversion of other forms of renewable energy directly to electric power shall be capable of being metered so that the peak electric power (kW) provided to the building and its systems or to off-site entities can be determined at 15 minute intervals and the amount of electric power (kWh) provided to the building and its systems can be determined at intervals of one hour or less.